AMENDMENT TO:

EMERGENCY RESPONSE/

SPILL CONTINGENCY PLAN

FOR

NUNAVUT WATER BOARD

REGARDING NANUQ PROJECT

WATER LICENCE NWB2NAN03

PREPARED BY

DUNSMUIR VENTURES LTD.

September 20, 2005

1.0 INTRODUCTION

1.1 PURPOSE OF PLAN

The purpose of this Spill Contingency Plan is to provide a plan of action for all spills of hazardous materials that may occur on Nanuq project. This plan defines the responsibilities of key personnel and outlines procedures to effectively and efficiently contain and recover spills of hazardous materials. Petroleum products and hazardous materials that will be considered in this Spill Contingency Plan include:

- 60 @ 200 L of diesel fuel
- 5 @ 200 L of engine oil
- 5 @ 200 L of gasoline
- 60 @ 200 L of Jet “B” fuel
- 20 @ 100 L of propane

All engine oil, gasoline and propane will be stored near the main camp, along with 20 drums of diesel. The remainder will be split between the 2 fuel caches (20 drums of diesel and 20 drums of Jet B each).

1.2 DUNSMUIR VENTURES LTD. ENVIRONMENTAL POLICY

It is the policy of Dunsmuir Ventures Ltd. (DVL) to comply with all existing laws and regulations to help ensure the protection of the environment. DVL cooperates with other groups committed to protecting the environment and ensures that employees, government, and the public are informed on the procedures followed to help protect the environment.

2.0 SITE DESCRIPTION

2.1 GENERAL SITE DESCRIPTION:

This spill contingency plan is to be implemented at Nanuq field camp established for mineral exploration. Please see site location map at the end of this document indicating structures, storage areas, location of spill kits, likely direction of contaminant flow, environmentally sensitive areas, topography, geographic coordinates, distance by air from nearest community, UTM and map sheet number. Spills kits will be located in the main camp and at each proposed fuel cache site.

2.2 PETROLEUM STORAGE AND TRANSPORT

205 litre fuel drums are to be stored at a distance greater than 100 metres from the normal high water mark of any water body. Alll sumps will be located above the high water mark of any water body, and oriented in such a manner as to prevent the contents from entering the water body frequented by fish. Where possible, drip pans will be used during refueling operations. Self-supporting “insta-berms” or bermed areas with impermeable membranes shall be used around fuel storage areas. In addition, DVL will ensure MSDS sheets for hazardous materials are available to all workers at the site.

All fuel and oil are transported to the various exploration properties by plane.

2.3 CHEMICAL STORAGE AND TRANSPORT

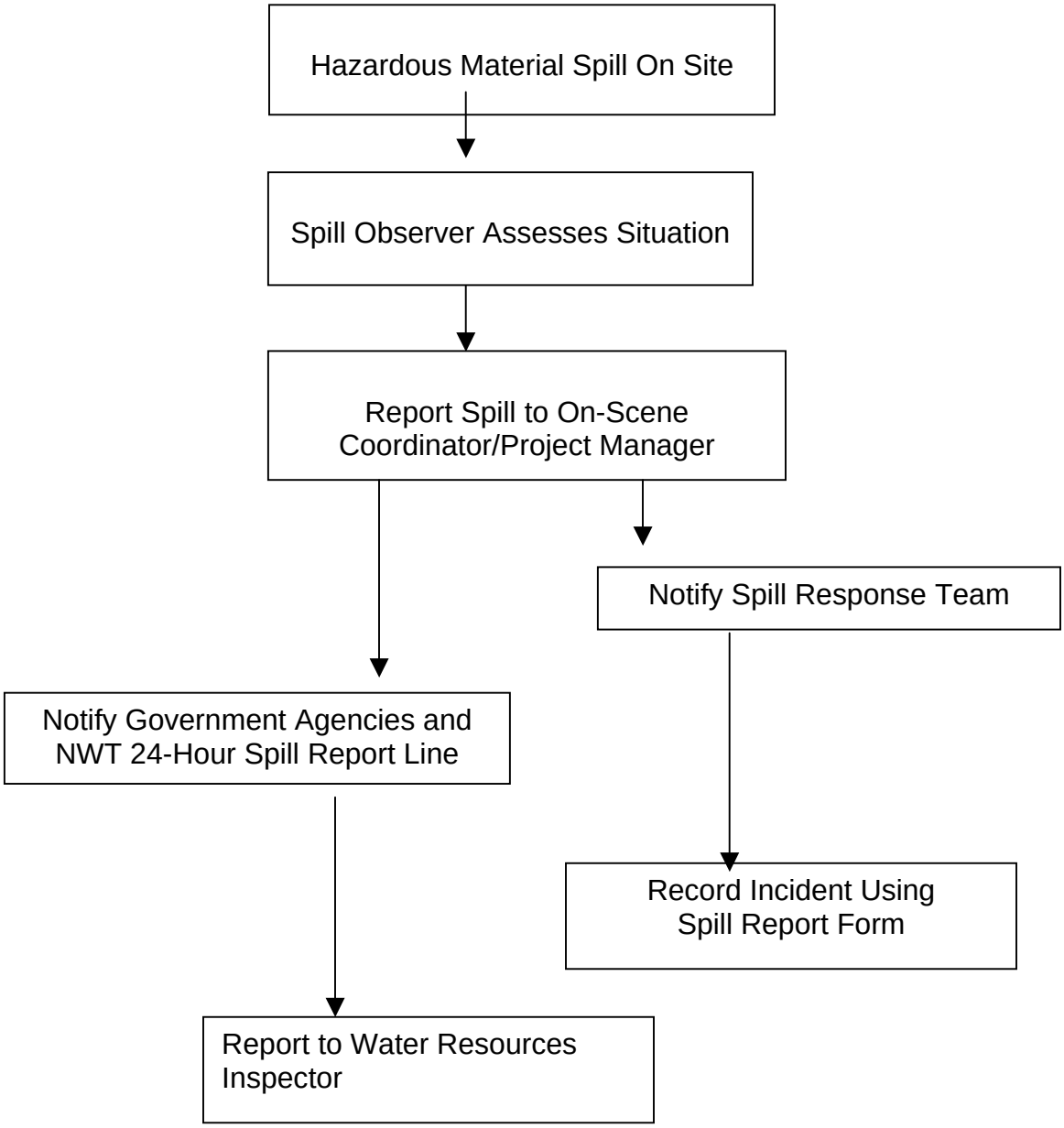
Any required chemicals are transported to site by plane.

2.4 GREYWATER AND SEWAGE

Greywater will be discharged into sumps or natural depressions away from water bodies.

3.0 RESPONSE ORGANIZATION

The following is a flow chart to illustrate the sequence of events in the event of a hazardous material spill occurring at any of the Dunsmuir Ventures exploration properties.



3.1 SPILL RESPONSE TEAM

A Dunsmuir representative (to be determined) will be the On-Scene Coordinator for the Dunsmuir Ventures (DVL) exploration properties. They will appoint and train appropriate personnel to make up the DVL Spill Response Team for the various DVL exploration properties. The key personnel that make up the DVL Spill Response Team are as follows:

On-Scene Coordinator	to be determined
Site Personnel	Will generally vary from 6 to 11 people throughout the year
Project Manager	to be determined

In the event that the On Scene Coordinator is away, the Project Manager will become the On Scene Coordinator, and the drill foreman will become the Project Manager.

The responsibilities of the On-Scene Coordinator are as follows:

1. Assume complete authority over the spill scene and coordinate all personnel involved.
2. Evaluate spill situation and develop overall plan of action.
3. Activate the spill contingency plan.
4. Immediately report the spill to the NWT 24-Hour Spill Report Line (867) 920-8130, the Water Resource Management office (867-975-4577), other relevant regulatory agencies, and Dunsmuir Ventures management.
5. Obtain additional manpower, equipment, and material if not available on site for spill response.
6. Train all personnel in emergency response training, and provide them with MSDS sheets on hazardous materials.

The responsibilities of the Project Manager are as follows:

1. Provide regulatory agencies and Dunsmuir Ventures management with information regarding the status of the clean up activities.
2. Act as a spokesperson on behalf of Dunsmuir Ventures with regulatory agencies as well as the public and media.
3. Prepare and submit a report on the spill incident to regulatory agencies within 30 days of the event.

3.2 ADDITIONAL CONTACTS

Table 1 – Emergency Contacts

CONTACT	TELEPHONE NUMBER
DIAND – Land Use Inspector, Iqaluit	(867) 975-4500
Dunsmuir Ventures – Alan Carter, President & CEO	(778) 386-0723 (cell)
Dunsmuir Ventures – Jennifer Pell, VP, Exploration	(604) 778-772-8918 (cell)
Environment Canada	(867) 975-4664/Pager (867) 920 5131
INAC Water Resource Office	(867) 975-4577
Calm Air	(867) 793-2873
Helicopters: to be determined	(867)
Nunavut Fire Department	(867) 645-8103
Baker Lake RCMP	(867) 793-1111
Water Resources Inspector s	(867) 975-4298
Baker Lake Health Centre	(867) 793-2816
Exploration Camp Satellite Phone	(403) 987-0728
Dunsmuir Ventures Office, Vancouver	(604) 681-6311
Aviation Fuel, Boris Kotelewetz	(867) 793-2234

4.0 REPORTING PROCEDURE

The On Scene Coordinator must be notified immediately of any spill either by phone, radio, or in person.

The following is the spill reporting procedure:
1. Report immediately to the 24-Hour Spill Report Line Phone (867) 920-8130, Fax (867) 873-6924
2. Fill out the NWT Spill Report Form *NWT1752/0202* (form included at the back of this document).
3. Water Resources Inspector will be informed (Ph. 867-975-4298),
4. In the event of a major spill, Aviation Fuel (Boris Kotelewetz @ 867-793-2234) will be contacted to provide clean up assistance and equipment.

5.0 ACTION PLANS

5.1 INITIAL ACTION

The instructions to be followed by the first person on the spill scene are as follows:
1. Always be alert and consider your safety first.
2. If possible, identify the material that has been spilled.
3. Assess the hazard of people in the vicinity of the spill.
4. If possible, safely try to stop the flow of material to minimize potential for environmental impacts.
5. Immediately report the spill to the On Scene Coordinator.
6. Resume any effective action to contain, mitigate, or terminate the flow of the spilled material.

The following pages include specific instructions to be followed in the response to various types of spills including diesel fuel, hydraulic oil, lubricating oil, gasoline, aviation fuel (Jet "B"), antifreeze, and propane.

5.2 SPILL RESPONSE ACTIONS
DIESEL FUEL, HYDRAULIC OIL, AND LUBRICATING OIL

Take action only if safety permits – stop the source flow if safe to do so and eliminate all ignition sources. Never smoke when dealing with these types of spills.

On Land
Build a containment berm using soil material or snow and place a plastic tarp at the foot of the berm for easy capture of the spill after all vapours have dissipated.
Remove the spill by using absorbent pads or excavating the soil, gravel or snow.
Remove spill splashed on vegetation using particulate absorbent material.
If soil, gravel, or vegetation must be removed, contact regulatory agencies for approval before commencing with the removal.

On Muskeg
Do not deploy personnel and equipment on marsh or vegetation.
Remove pooled oil with sorbent pads and/or skimmer.
Flush with low pressure water to herd oil to collection point.
Burn only in localized areas, e.g., trenches, piles or windrows.
Do not burn if root systems can be damaged (low water table).
Minimize damage caused by equipment and excavation.

On Water
Contain spill as close to release point as possible.
Use containment boom to capture spill for recovery after vapours have dissipated.
Use absorbent pads to capture small spills.
Use skimmer for larger spills.

On Rivers and Streams
Prevent entry into water, if possible, by building a berm of trench.
Intercept moving slicks in quiet areas using (sorbent) booms.
Do not use sorbent booms/pads in fast currents and turbulent water.

On Ice and Snow
Build a containment berm around spill using snow.
Remove spill using absorbent pads or particulate sorbent material.
The contaminated ice and snow must be scraped and shoveled into plastic buckets with lids, 205 litre drums, and/or polypropylene bags.

Storage and Transfer
All contaminated water, ice, snow, soil, and clean up supplies will be stored in closed, labeled containers. All containers will be stored in a well ventilated area away from incompatible materials.

Disposal
Contact Federal and Territorial regulatory agencies to identify appropriate disposal methods before disposing of contaminated material.

5.3 SPILL RESPONSE ACTIONS
GASOLINE AND JET B AVIATION FUEL
Gasoline and Jet B form vapours that can ignite and explode – No Smoking!

Take action only if safety permits – stop the source flow if safe to do so and eliminate all ignition sources. Never smoke when dealing with these types of spills.

On Land
Build a containment berm using soil material or snow and place a plastic tarp at the foot of the berm for easy capture of the spill after all vapours have dissipated.
Remove the spill by using absorbent pads or excavating the soil, gravel or snow.
Remove spill splashed on vegetation using particulate absorbent material.
If soil, gravel, or vegetation must be removed, contact regulatory agencies for approval before commencing with the removal.

On Muskeg
Do not deploy personnel and equipment on marsh or vegetation.
Remove pooled gasoline or Jet B with sorbent pads and/or skimmer.
Flush with low pressure water to herd oil to collection point.
Burn only in localized areas, e.g., trenches, piles or windrows.
Do not burn if root systems can be damaged (low water table).
Minimize damage caused by equipment and excavation.

On Water
Contain spill as close to release point as possible.
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Remove spill using absorbent pads or particulate sorbent material.
The contaminated ice and snow must be scraped and shoveled into plastic buckets with lids, 205 litre drums, and/or polypropylene bags.

Storage and Transfer
All contaminated water, ice, snow, soil, and clean up supplies will be stored in closed, labeled containers. All containers will be stored in a well ventilated area away from incompatible materials.

Disposal
Contact Federal and Territorial regulatory agencies to identify appropriate disposal methods before disposing of contaminated material.

5.4 SPILL RESPONSE ACTIONS
ANTIFREEZE

Take action only if safety permits – stop the source flow if safe to do so.

On Land
Build a containment berm using soil material or snow and place a plastic tarp at the foot of the berm for easy capture of the spill.
Remove the spill by using absorbent pads or excavating the soil, gravel, or snow.
Remove spill splashed on vegetation using particulate absorbent material.
If soil, gravel, or vegetation must be removed, contact regulatory agencies for approval before commencing with the removal.

On Water
Use containment boom to capture spill.
Pump contaminated water into 205 litre drum.

On Ice and Snow
Build a containment berm around spill using snow.
Remove spill using particulate sorbent material.
The contaminated sorbent material, ice and snow must be scraped and shoveled into plastic buckets with lids, 205 litre drums, and/or polypropylene bags.

Storage and Transfer
All contaminated water, ice, snow, soil, and clean up supplies will be stored in closed, labeled containers. All containers will be stored in a well ventilated area away from incompatible materials.

Disposal
Contact Federal and Territorial regulatory agencies to identify appropriate disposal methods before disposing of contaminated material.

5.5 SPILL RESPONSE ACTIONS
PROPANE

Take action only if safety permits. Gases stored in cylinders can explode when ignited. Keep vehicles away from accident area – No Smoking!

On Land
Do not attempt to contain the propane release.

On Water
Do not attempt to contain the propane release.

On Ice and Snow
Do not attempt to contain the propane release.

General
It is not possible to contain vapours when released.
Water spray can be used to knock down vapours if there is NO chance of ignition.
Small fires can be extinguished with dry chemical of CO_2.
Personnel should withdraw immediately from area unless a small leak is stopped immediately after it has been detected.
If tanks are damaged, gas should be allowed to disperse and no recovery attempt should be made.
Personnel should avoid touching release point on containers since frost forms very rapidly.
Keep away from tank ends.

Storage and Transfer
It is not possible to contain vapours when released.

Disposal
Contact Federal and Territorial regulatory agencies to identify appropriate disposal methods for detective equipment that resulted in the release.

6.0 RESOURCE INVENTORY

6.1 PERSONNEL

In addition to the On Scene Coordinator and the Project Manager, approximately 6 to 14 people are available on site to assist in spill response and clean up activities. The amount of people on site varies throughout the year.

6.2 GENERAL EQUIPMENT

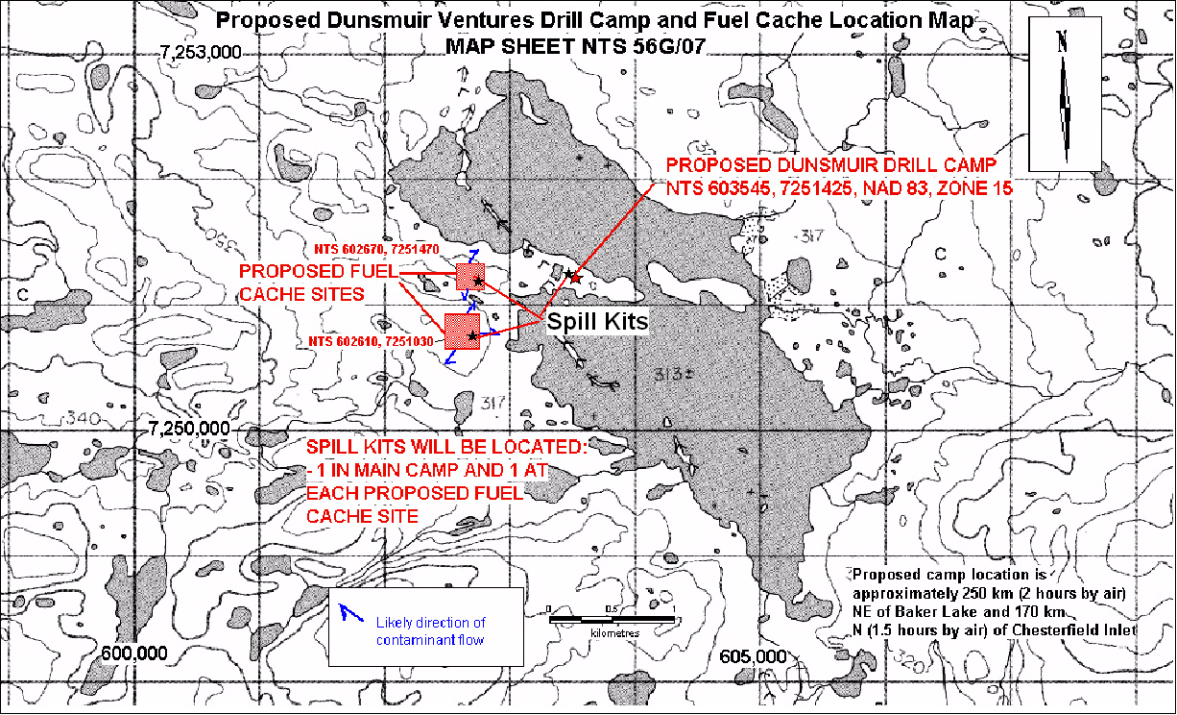
Equipment available on site to assist in responding to a hazardous materials spill includes various hand held tools including shovels. In addition to these, one spill kit will be on site during active exploration periods. The spill kit contains the following supplies:

1 – 360 litre/79 gallon polyethylene overpack drum
4 – oil sorbent booms (5" X 10')
100 – oil sorbent sheets (16.5" X 20" X 3/8")
1 – drain cover (36" X 36" X 1/16")
1 – Caution tape (3" X 500')
1 – 1 lb plugging compound
2 – pair Nitrile gloves
2 – pair Safety goggles
2 – pair Tyvek coveralls
1 – instruction booklet
10 – printed disposable bags (24" X 48")

Sorbent capacity of this spill kit is 240 litres.

7.0 TRAINING

All employees working on a Dunsmuir Ventures Ltd. exploration property will be trained in the safe operation of all machinery and tools to help prevent hazardous material spills. All employees on site will also be trained for initial spill response in the event of a spill. Annual refresher exercises will be conducted on site to review the procedures and protocols of this Spill Contingency Plan and the location of the spill kits. All employees will be provided with MSDS sheets for all hazardous materials. The fuel is currently being purchased, and MSDS sheets will be provided when the fuel has been purchased.


Proposed Dunsmuir Ventures Drill Camp and Fuel Cache Location Map
MAP SHEET NTS 56G/07
7,253,000
N
PROPOSED DUNSMUIR DRILL CAMP
NTS 603545, 7251425, NAD 83, ZONE 15
NTS 602670, 7251470
PROPOSED FUEL
CACHE SITES
Spill Kits
NTS 602610, 7251030
7,250,000
SPILL KITS WILL BE LOCATED:
- 1 IN MAIN CAMP AND 1 AT
EACH PROPOSED FUEL
CACHE SITE
Likely direction of
contaminant flow
0
0.5
1
kilometres
600,000
605,000
Proposed camp location is
approximately 250 km (2 hours by air)
NE of Baker Lake and 170 km
N (1.5 hours by air) of Chesterfield Inlet

Northwest Territories

NWT SPILL REPORT

(Oil, Gas, Hazardous Chemicals or other Materials)

24 – Hour Report Line
Phone: (867) 920-8130
Fax: (867) 873-6924

A Report Date and Time	B Date and Time of spill (if known)	C ☐ Original Report ☐ Update no._____	Spill Number

D Location and map coordinates (if known) and direction (if moving)

E Partly responsible for spill

F Product(s) spilled and estimated quantities (provide metric volumes/weights if possible)

G Cause of spill

H Is spill terminated? ☐ yes ☐ no	I If spill is continuing, give estimated rate	J Is further spillage possible? ☐ yes ☐ no	K Extent of contaminated area (in square meters if possible)

L Factors effecting spill or recovery (weather conditions, terrain, snow cover, etc.)	M Containment (natural depression, dikes, etc.)

N Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials

O Do you require assistance? ☐ no ☐ yes, describe:	P Possible hazards to person, property, or environment; eg: fire, drink water, fish or wildlife

Q Comments or recommendations

FOR SPILL LINE USE ONLY

Lead agency

Spill significance

Lead Agency contact and time

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Is this file now closed? ☐ yes ☐ no

Reported by	Position. Employer, Location	Telephone
Reported to	Position. Employer, Location	Telephone